

IN THE CLAIMS

1-53. (Cancelled)

54. (Currently amended) A method of detecting the presence of a selected cellular protein on the surface of a cell using a detectable, recombinant virus expressing a ligand on its surface which ~~specifically~~ binds to the cellular protein, comprising:

contacting the cell with a population of the detectable virus, each virus expressing on its surface the ligand, ~~wherein the ligand has been previously demonstrated to specifically bind to the selected cellular protein~~ wherein the ligand expressed on the surface of the virus is selected from the group consisting of the peptide whose amino acid sequence is set forth as SEQ ID NO: 2 and the peptide whose amino acid sequence is set forth as SEQ ID NO: 3; and

detecting binding of the virus to the cell, thus detecting the presence of the selected cellular protein on the surface of the cell, wherein the cellular protein is N-methyl D-aspartate receptor.

55. (Cancelled)

56. (Cancelled)

57. (Currently amended) A method of detecting the presence of a selected cellular protein on the surface of a cell using a detectable, recombinant virus expressing a ligand on its surface which ~~specifically~~ binds to the cellular protein, comprising:

contacting the cell with a population of the detectable virus, each virus expressing on its surface the ligand, ~~wherein the ligand has been previously demonstrated to specifically bind to the selected cellular protein;~~ and

detecting binding of the virus to the cell, thus detecting the presence of the selected cellular protein on the surface of the cell, wherein the ligand expressed on the surface of the virus is selected from the group consisting of the peptide whose amino acid sequence is set forth as SEQ ID NO: 2 and the peptide whose amino acid sequence is set forth as SEQ ID NO: 3.

58-65 (Cancelled)

66. (Currently amended) A method of detecting the presence of a selected cellular protein on the surface of a cell using a detectable, recombinant bacteriophage expressing a ligand on its surface which ~~specifically~~ binds to the cellular protein, comprising:

contacting the cell with a population of the detectable bacteriophage, each bacteriophage expressing on its surface at least 10 copies of the ligand for the selected cellular protein*, wherein the ligand expressed on the surface of the virus is selected from the group consisting of the peptide whose amino acid sequence is set forth as SEQ ID NO: 2 and the peptide whose amino acid sequence is set forth as SEQ ID NO: 3 and

detecting binding of the bacteriophage to the cell, thus detecting the presence of the selected cellular protein on the surface of the cell, wherein the cellular protein is N-methyl D-aspartate receptor.

67. (Cancelled)

68. (Cancelled)

69. (Currently amended) A method of detecting the presence of a selected cellular protein on the surface of a cell using a detectable, recombinant bacteriophage expressing a ligand on its surface which ~~specifically~~ binds to the cellular protein, comprising:

contacting the cell with a population of the detectable bacteriophage, each bacteriophage expressing on its surface at least 10 copies of the ligand for the selected cellular protein: and

detecting binding of the bacteriophage to the cell, thus detecting the presence of the selected cellular protein on the surface of the cell, wherein the ligand expressed on the surface of the virus is selected from the group consisting of the peptide whose amino acid sequence is set forth as SEQ ID NO: 2 and the peptide whose amino acid sequence is set forth as SEQ ID NO: 3.

70-75. (Cancelled)